

Work Order ID 136353

136353

Wednesday, September 02, 2015 3:03:07 PM

Page 1

Item ID: 646.9501 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: 206A / B / L Cable Cutter System, High
 Start Date: 8/25/2015 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 9/1/2015 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: MLJ Date: SEP 03 2015 Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.9500	N/C		68-6						
100	Document Control	0.00	9						
100	DOCUMENT CONTROL		SWD						
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.9501								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
27
9-89

16/1/25

DAS
6
9-89

NOV 30 2015

DAS
28
9-89

DAS
27
9-89

16/1/25

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Work Order ID 136353

136353

Page 2

Wednesday, September 02, 2015 3:03:07 PM

Item ID: 646.9501 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 206A / B / L Cable Cutter System, High
Start Date: 8/25/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 9/1/2015 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00				/			
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.9501 Location : FG101								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

Sta 20160125

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

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Page 1

Work Order ID: 136353

136353

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.9601		Manufactured	No			110	Each	16.0000	1	1			
646.9601													
Upper Cutter Assy													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck039				16				DAS 6 9-89	DAS 28 9-89
				110249				1					
				117062				6		1			
				124734				3					
				128183				6					
646.9602		Manufactured	No			110	Each	31.0000	1	1			
646.9602													
Lower Cutter Assy High													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK037				13					DAS 28 9-89
				109598				13					
				CCK038				18					
				105805				7		1			
				112563				1					
				126804				10					
646.9810		Manufactured	No			110	Each	5.0000	1	1			
646.9810													
Deflector													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK031				5				DAS 6 9-89	DAS 28 9-89
				125214				5					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____		

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Work Order ID: 136353

136353

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

647.0210 Manufactured No

110 Each

23.0000

1

DAS

6

9-89

DAS

28

9-89

647.0210

Rail

DAS

27

9-89

Location

CCK089

Loc Qty

23

Loc Code

111516

2

91440

21

647.0110 Manufactured No

110 Each

14.0000

1

DAS

6

9-89

DAS

28

9-89

647.0110

Roof Doubler

DAS

27

9-89

Location

CCK089

Loc Qty

14

Loc Code

116709

12

126232

2

647.0310 Manufactured No

110 Each

31.0000

2

DAS

6

9-89

DAS

28

9-89

647.0310

Channel

DAS

27

9-89

Location

CCK090

Loc Qty

31

Loc Code

113696

6

116955

10

122989

8

128865

6

m123185

1

646.9910 Manufactured No

110 Each

72.0000

4

DAS

6

9-89

DAS

28

9-89

646.9910

Struts

DAS

27

9-89

Location

CCK014

Loc Qty

72

Loc Code

93189

72

NOV 30 2015

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

647.0112 Manufactured No

110 Each 165.0000 8 8

647 0112

Strut Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK109

165

112215

10

122245

5

122871

36

123318

22

M130388

92

DAS
6
9-89

DAS
28
9-89

647.0113 Manufactured No

110 Each 16.0000 2 2

647 0113

Strut Doubler

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK088

16

117071

6

117864

10

DAS
27
9-89

Manufactured No

110 Each 18.0000 1 1

647 0111

Panel

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK088

18

116830

13

126233

5

DAS
27
9-89

Manufactured No

110 Each 47.0000 2 2

647 0116

Doubler

DAS
6
9-89

DAS
28

9-89 NOV 30 2015

Location

Loc Qty

Loc Code

cck105

47

123001

17

126234

20

m126249

10

DAS
27
9-89

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Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Picklist Print

Wednesday, September 02, 2015 3:03:11 PM

Page 4

Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

647.0410

Manufactured No

110

Each

8.0000

1

DAS

6

9-89

DAS

28

9-89

647 0410

Tube

** 137301

Location

Loc Qty

Loc Code

cck105

8

125395

2

127917

4

135596

2

DAS

27

9-89

647.0114

Manufactured No

110

Each

60.0000

1

DAS

6

9-89

DAS

28

9-89

647 0114

Clip

**

DAS

27

9-89

647.0115

Manufactured No

110

Each

75.0000

1

DAS

6

9-89

DAS

28

9-89

647 0115

Clip

**

DAS

27

9-89

NAS1149FN832P

Purchased No

110

Each

2,336.000

111

DAS

6

9-89

DAS

28

9-89

NAS1149FN832P

Washer

** 133316

DAS

6

9-89

NOV 30 2015

Location

Loc Qty

Loc Code

ST260a

1415

125268

1415

st268

921

M130388

921

DAS

27

9-89

DAS

28

9-89

Wednesday, September 02, 2015 3:03:11 PM

Shop Packet Print

Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Picklist Print

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Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

1,499.000

62

62

NAS1149F0332P

Washer

**

133709

DAS

6

9-89

Location

Loc Qty

Loc Code

GA	210
122063	210
ST260a	1196
m128401	6
m131026	80
m131697	110
m133077	1000
st268	93
123900	7
m130388	86

DAS

28

9-89

DAS

27

9-89

AN3-11A

Purchased

No

110

Each

114.0000

8

8

AN3-11A

Bolt

**

133234

Location

Loc Qty

Loc Code

ST338a	114
m125709	14
m132823	100

DAS

6

9-89

DAS

28

9-89

DAS

27

9-89

MS21042-3

MS21042L3

Purchased

No

110

Each

549.0000

17

17

MS21042L3

Nut / use MS21042L3

**

133498 x 12

130922 x 8

DAS

6

9-89

DAS

28

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CA	501
M129682	501
ST305	48
M128770	10
M129541	15
M130388	23

NOV 30 2015

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

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Page 6

Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

CCR264SS-3-06 Purchased No

110 Each 93.0000

CCR264SS-3-06

Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

93

m131317

93

MS21059L08 Purchased No

110 Each 274.0000

MS21059L08

Nut

Location

Loc Qty

Loc Code

MF4

66

125654

66

ST260a

200

m131697

200

ST302

8

m131624

8

CR3213-4-05 Purchased No

110 Each 147.0000

CR3213-4-05

RIVET

Location

Loc Qty

Loc Code

ST319

147

123301

45

m129764

4

m131340

98

DAS
28
9-89

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

NOV 30 2015

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Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

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Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-6 Purchased No 110 Each 546.0000 20 20
CR3213-4-6 ****** 128799 **DAS**
 Rivet 6 9-89

DAS
 27
 9-89

Location	Loc Qty	Loc Code
CCK004	400	
M131800	400	
ST319	146	
M128429	95	
M130388	51	

DAS
 28
 9-89

GR3213-4-4 Purchased No 110 Each 648.0000 19 19
GR3213-4-4 ****** **DAS**
 Rivet, Cherry 6 9-89

DAS
 27
 9-89

Location	Loc Qty	Loc Code
CCK004	600	
126282	500	19
M128813	100	
ST319	48	
M130388	48	

DAS
 28
 9-89

CR3213-4-2 Purchased No 110 Each 481.0000 18 18
CR3213-4-2 ****** 128936 **DAS**
 Cherry Rivet 6 9-89

DAS
 27
 9-89

Location	Loc Qty	Loc Code
CCK004	12	
m130388	12	
ST319	469	
m131340	469	

DAS
 6
 9-89
NOV 30 2015
DAS
 28
 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

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Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-3

Purchased

No

110

Each

513.0000

18

18

CR3213-4-3

Rivet, Cherry

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CA	7	
123301	7	
CCK004	306	
123301	134	18
m129541	100	
m130388	72	
ST318	200	
m131340	200	

DAS
27
9-89

MS21047-3

Purchased

No

110

Each

73.0000

6

6

MS21047-3

Nut Plate

**

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST273A	50	
m133031	50	6
ST303	23	
m130388	8	
m132763	15	

DAS
27
9-89

MS21042-08

MS21042L08

Purchased

No

110

Each

33.0000

54

54

MS21042-08

USE MS21042L08

**

133483

DAS
6
9-89

DAS
28
9-89

NOV 30 2015

Location

Loc Qty

Loc Code

ST304	25	
122815	25	
ST306	8	
m130388	8	

DAS
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

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Work Order ID: 136353

136353

Parent Item: 646.9501

646.9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

110

Each

406.0000

6 6

MS27039-08-13

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST273A

346

124326

346

ST281

60

4067

56

M130388

4

DAS
6
9-89

DAS
28
9-89

MS21059-3

Purchased

No

110

Each

557.0000

2 2

MS21059-3

Nut Plate

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

6

123301

6

ST302

551

123023

50

123185

1

123900

500

DAS
6
9-89

DAS
28
9-89

AN743-13

Purchased

No

110

Each

45.0000

1 1

AN743-13

Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

ST330

45

M129732

45

DAS
6
9-89

DAS
28
9-89
NOV 30 1989

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

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Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-3A Purchased No

110 Each 285.0000 1

AN3-3A

Bolt

**

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST338a

200

m131624

200

ST350

85

m132317

85

CCR264SS3-04 Purchased No

110 Each 783.0000 12

CCR264SS3-04

CCR264SS3-04

Rivet

**

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK004

590

123785

400

m129702

190

ST321

193

123352

193

CR3212-5-4 Purchased No

110 Each 27.0000 8

CR3212-5-4

CR3212-5-4

Cherry Rivet

**

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

27

120410

27

CCR264SS3-2 CCR264SS3-02 Purchased No

110 Each 0.0000 4

CCR264SS3-2

CCR264SS3-2

Rivet, Cherry

**

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1835-08

Purchased

No

110

Each

80.0000

4 4

NAS1835-08

Insert

DAS
27
9-89

Location

Loc Qty

Loc Code

ST265

80

m128770

20

m129913 ✓

60

CR3213-4-1

Purchased

No

110

Each

134.0000

14 14

CR3213-4-1

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

134

m126254

34

m131340

100

MS27039-1-08

Purchased

No

110

Each

700.0000

5 5

MS27039-1-08

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

96

m128636

96

FP001

359

m128636

359

GA

2

125654

2

ST285

243

m128636

243

DAS
6
9-89

DAS
28
9-89

DAS
6
9-89

DAS
28
9-89

NOV 30 2015
DAS
6
9-89

DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

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Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

647.1210 Manufactured No

110 Each 11.0000 1

647 1210

Screen

**

DAS

6

DAS

28

9-89

68-6
LZ
SV

Location

Loc Qty

Loc Code

CCK106

11

112398

3

126236

8

MS35842-11 Purchased No

110 Each 10.0000 1

MS35842-11

Hose Clamp

**

DAS

6

DAS

28

9-89

68-6
LZ
SV

Location

Loc Qty

Loc Code

ST274

10

m130238

10

MS27039-08-11 Purchased No

110 Each 158.0000 43

MS27039-08-11

SCREW

**

DAS

6

DAS

28

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST282

158

m130358

158

MS27039-08-06 Purchased No

110 Each 168.0000 4

MS27039-08-06

Screw

**

DAS

6

9-89

NOV 30 2015

DAS
27
9-89

Location

Loc Qty

Loc Code

ST282

168

125646

45

m126249

123

DAS

28

9-89

Wednesday, September 02, 2015 3:03:13 PM

Shop Packet Print

Page 12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 13

Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-09

Purchased

No

110

Each

98.0000

4

4

MS27039-08-09

Screw

**

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST282

98

m127904

10

m131317

88

DAS
28
9-89

MS27039-08-12

Purchased

No

110

Each

170.0000

2

2

MS27039-08-12

Screw

**

Location

Loc Qty

Loc Code

ST273A

61

123352

61

ST273B

100

124326

100

ST281

9

123900

2

1850

7

DAS
28
9-89

DAS
27
9-89

MS27039-1-11

Purchased

No

110

Each

356.0000

5

5

MS27039-1-11

Screw

**

Location

Loc Qty

Loc Code

CA

253

124326

253

GA

25

125654

13

9662

12

ST285

78

m131317

78

DAS
28
9-89

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Wednesday, September 02, 2015 3:03:13 PM

Page 14

Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-4 CR3212-4-04 Purchased No

110 Each

0.0000

1

1

DAS

6

9-89

DAS

28

9-89

CR3212-4-4

CHERRY RIVET

27

MS24694-S8

9-89

Purchased No

110 Each

88.0000

5

5

DAS

6

9-89

DAS

6

9-89

DAS

28

9-89

MS24694-S8

Screw

DAS

27

9-89

Location

Loc Qty

Loc Code

ST290

88

123352

1

M129909

87

AN3-10A

Purchased No

110 Each

176.0000

8

8

133694

Location

Loc Qty

Loc Code

GA

8

m132317

8

ST338a

100

m132763

100

ST349

68

m132317

18

m133064

50

600.0990

Purchased No

110 Each

47.0000

1

1

DAS

6

9-89

DAS

28

9-89

600 0990

MAGNABOND 6398 PART A

DAS

27

9-89

Location

Loc Qty

Loc Code

CA2

26

M131589

26

2/11/2016

PKG

21

M129818

21

7/16/2015

NOV 30 2015

Wednesday, September 02, 2015 3:03:13 PM

Shop Packet Print

Page 14

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____						
Misidentified	☐	Past Due	☐							

Picklist Print

Wednesday, September 02, 2015 3:03:13 PM

Work Order ID: 136353

136353

Parent Item: 646.9501

646 9501

Parent Item Name: 206A / B / L Cable Cutter System, High

Start Date: 8/25/2015

Required Date: 9/1/2015

Start Qty: 1.00

Required Qty: 1.00

600.0991

Purchased

No

110

Each

47.0000

1

600 0991
MAGNOBOND 6398 PART B

**

DAS
28
9-89

Location

Loc Qty

Loc Code

CA2

27

m131589

27

2/11/2016

PKG

20

M129818

20

7/16/2015

600.1012

Purchased

No

110

Each

16.0000

1

600 1012
Sealant PR1425B2 (#654 sem)

**

133380

DAS
28
9-89

Location

Loc Qty

Loc Code

cck017

14

m132805

14

cck018

2

m129749

1

m131364

1

10/30/2015

NOV 30 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

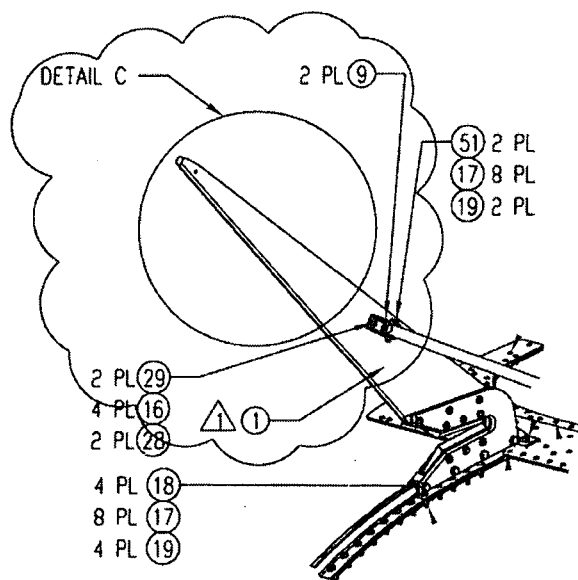
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																							
Misidentified ☐	Past Due ☐																								

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>		EFF: NEXT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE <u>2</u> .				

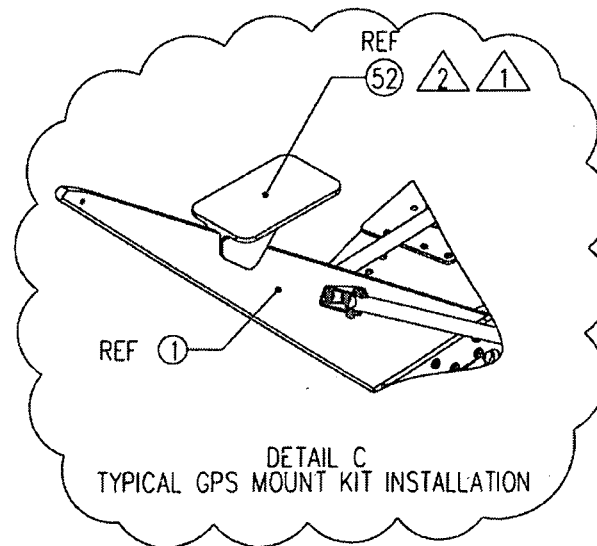
SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:



SHEET 2, ZONE B2 IS:



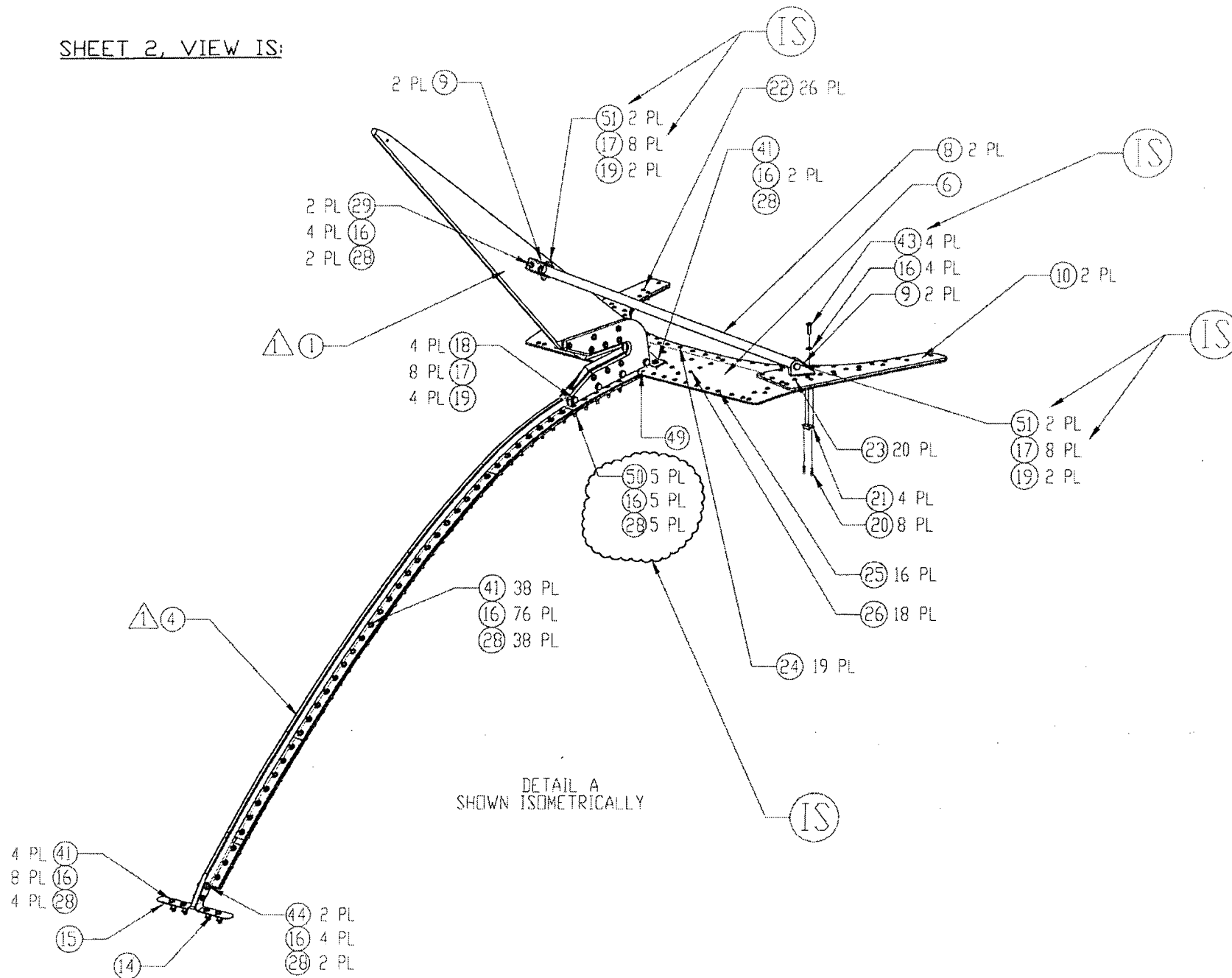
52	A	647.5701	REF	REF	GPS MOUNT KIT	<u>2</u>	
F/N	TC	PART NUMBER	.9502	.9501	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				
DOCUMENTS EFFECTED:					☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM	CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF.	CURRENT ORDER
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS				

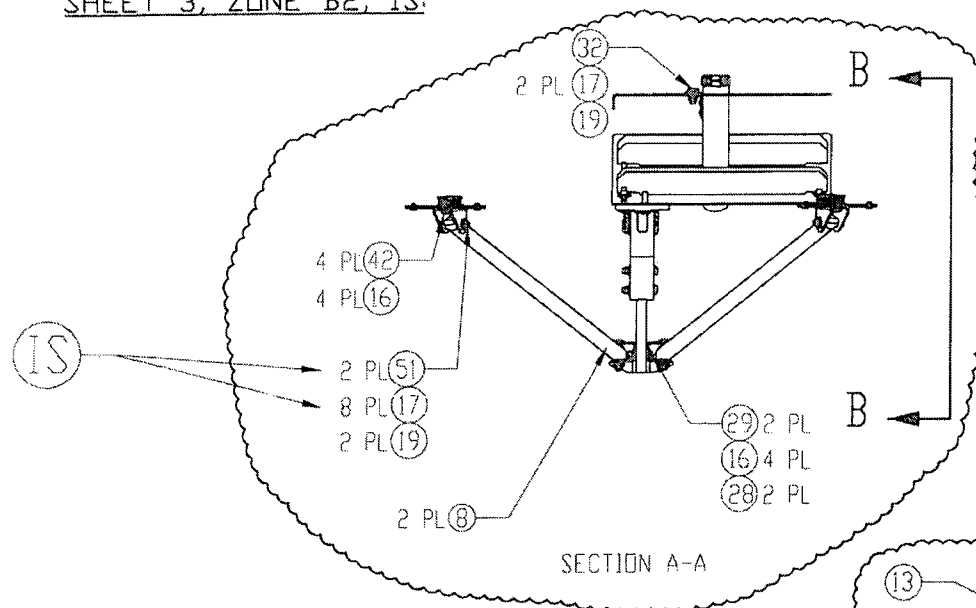
17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY	DESCRIPTION		MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.		ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
		DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.
		DWG TITLE: 206 CABLE CUTTERS KIT					
		APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL					
51	A	601.3155	8	8	BOLT	AN3-10A	
50	A	601.3153	5	5	SCREW	MS24694S8	
41	R	601.2893	43	43	SCREW	MS27039-0811	
28	R	601.2973	54	54	LOCKNUT	MS21042-08	
18	R	601.2826	8	8	BOLT	AN3-11A	
16	R	601.2764	127	127	WASHER	NAS1149FN832P	
			9502	9501			
F/N	TC	PART NUMBER	QTY	DESCRIPTION		MATERIAL/SPECIFICATION	
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

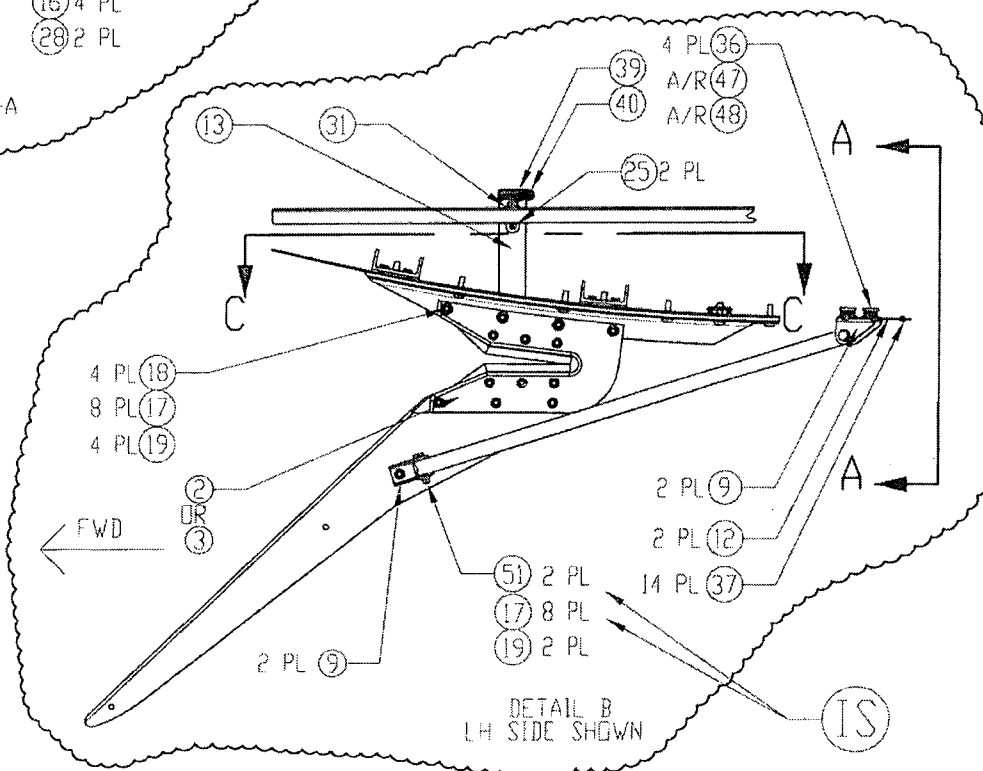
SHEET 2, VIEW IS:



SHEET 3, ZONE B2, IS:



SHEET 3, ZONE D2, IS:

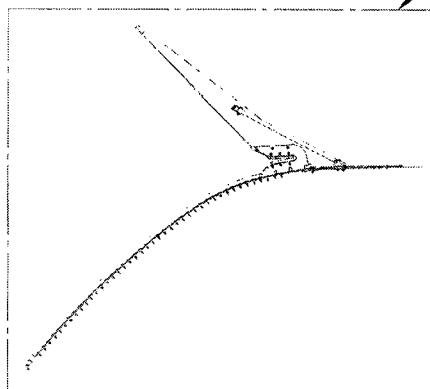


NOTES:

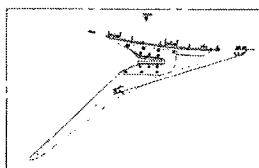
 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

02729, 02736, 03047

...DETAIL A



DETAIL B



QTY	UNIT	DESCRIPTION	DATE	BY	REMARKS
1	1	45	601.1066	RYMET	201212-4-4
1	1	46	600.0991	MAGNIBOND 6000 PART B	
1	1	47	600.0990	MAGNIBOND 6000 PART A	
1	1	46	600.1012	SEALANT	BE 7430 CH 435 D
5	5	45	601.1949	SCREW	M27059-1-11
2	2	44	601.2939	SCREW	M27059-1012
4	4	43	601.2987	SCREW	M27059-0005
4	4	42	601.3000	SCREW	M27059-0006
QTY	UNIT	FINID #	PART #	DESCRIPTION	MATL
					SPEC.

47	47	41	601.2893	SCREW	MS2059 Q211	
1	1	40	601.2982	HOSE CLAMP	MS20542-11	
1	1	39	647.1210	SCREEN		
5	5	38	601.1621	SCREW	MS20427-58	
14	14	37	601.2979	RIVET	CP3213-4-1	
4	4	36	601.2984	INSERT	MS151835-68	
4	4	35	601.2227	RIVET	CP2845-100	
9	8	34	601.2983	RIVET	CP1212-5-4	
12	12	33	601.2980	NUTPLATE RIVET	CP2845-304	
1	1	32	601.2822	BOLT	MS2735	
1	1	31	601.2985	BRACKET	MS142-12	
2	2	30	601.1900	NUTPLATE	MS21055-3	
6	6	29	601.2988	SCREW	MS27030-2813	
53	53	28	601.2973	LOCKNUT	MS27042-68	
6	6	27	600.0795	NUTPLATE	MS21007-3	
18	18	26	601.0790	RIVET	CP3213-4-7	
18	18	25	601.1039	RIVET	CP3213-4-2	
19	17	24	601.1915	RIVET	CP3213-4-4	
20	20	23	601.2991	RIVET	CP3213-4-6	
26	26	22	601.1183	RIVET	CP3219-4-5	
4	4	21	601.2356	NUTPLATE	MS21059-03	
8	8	20	601.2981	NUTPLATE RIVET	CP2845-304	
17	17	19	601.2943	LOCKNUT	MS21042-5	
16	16	18	601.2826	BOLT	MS2111A	
46	46	17	601.1607	WASHER	MS11490-03P	
114	114	16	601.2764	WASHER	MS11490-03P	
1	1	15	647.0115	CLIP		
1	1	14	647.0114	CLIP		
1	1	13	647.0410	TUBE		
2	2	12	647.0116	DOUBLER		
1	1	11	647.0111	PANEL		
2	2	10	647.0113	STRUT DOUBLER		
9	8	9	647.0112	STRUT BRACKET		
4	4	8	646.9910	STRUT		
2	2	7	647.0310	CHANNEL		
1	1	6	647.0110	ROOF DOUBLER		
1	1	5	647.0210	RAIL		
1	1	4	646.9810	DEFLECTOR		
1	1	3	646.9603	LOWER CUTTER ASSY LOW		
1	1	2	646.9602	LOWER CUTTER ASSY HIGH		
1	1	1	646.9601	UPPER CUTTER ASSY		
			646.9502	200 GABLE CUTTERS PP LOW		
			646.9501	200 GABLE CUTTERS PP HIGH		
5502	5501	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY				PARTS LIST		
NEXT ASSY (S)				APICAL INDUSTRIES		
				2608 TEMPLE HEIGHTS DR		
				OCEANSIDE, CA, 92056-3512 (760)724-5300		
				206 GABLE CUTTERS KIT		
ORIGINAL DATE: 05/09/01 DRAWN BY: J. BARBER CHECKED BY: J. BARBER APPROVED BY: J. BARBER PROJECT: 01010				206 GABLE CUTTERS KIT		
MATERIALS: 206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT				206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT		
206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT				206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT 206 GABLE CUTTERS KIT		

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2 PL 9

2 PL 18
4 PL 17
2 PL 19

22 26 PL

41 2 PL
16 2 PL
28

8 2 PL
6

41 4 PL
16 4 PL
9 2 PL

10 2 PL

18 2 PL
17 4 PL
19 2 PL

49

43 4 PL
16 8 PL
28 4 PL

23 20 PL
21 4 PL
20 8 PL
25 16 PL
26 18 PL
24 19 PL

41 38 PL
16 76 PL
28 38 PL

1 1

4 4

41 4 PL
16 8 PL
28 4 PL

15

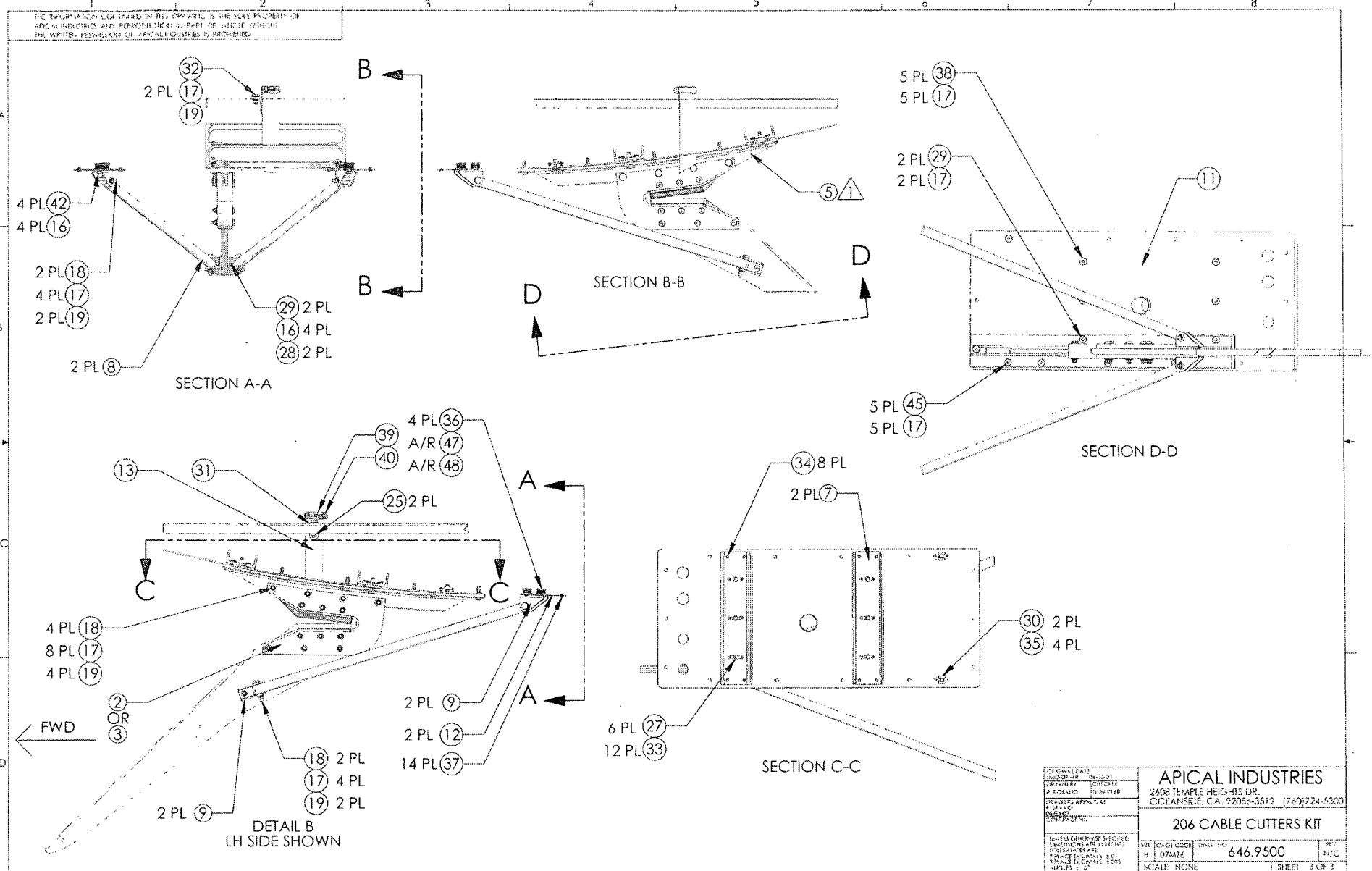
14

44 2 PL
16 4 PL
28 2 PL

DETAIL A
SHOWN ISOMETRICALLY

APICAL INDUSTRIES	
2608 TEMPLE HEIGHTS DR.	
OCEANSIDE, CA 92056-3512 (760) 724-5300	
206 CABLE CUTTERS KIT	
REV	14/C
DATE	07/04/05
SCALE	NONE
SHEET	2 OF 3

SPECIAL NOTE: 1. ASSEMBLY OF 60-5000 2. DRAWING OF 10-2400 3. 10-2400 4. DRAWING APPROVAL 5. 10-2400 6. 10-2400 7. 10-2400	APICAL INDUSTRIES 2402 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 206 CABLE CUTTERS KIT																		
CHECKED BY: JAMES DRAWING NO: 10-2400 1. 10-2400 2. 10-2400 3. 10-2400 4. 10-2400 5. 10-2400 6. 10-2400 7. 10-2400	<table><tr><td>SHEET</td><td>1</td><td>DATE</td><td>10-2400</td><td>REV</td><td>N/C</td></tr><tr><td colspan="3">SCALE</td><td colspan="3">NONE</td></tr><tr><td colspan="3">SHEET</td><td colspan="3">2 OF 3</td></tr></table>	SHEET	1	DATE	10-2400	REV	N/C	SCALE			NONE			SHEET			2 OF 3		
SHEET	1	DATE	10-2400	REV	N/C														
SCALE			NONE																
SHEET			2 OF 3																



ORIGINAL DATE 10/20/10 09-23-07 DESIGNED BY P. FORBES DRAWN BY D. B. TYLE CHECKED BY J. B. TYLE APPROVED BY J. B. TYLE	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300
MATERIALS 1. 1/2" X 1/2" X 1/2" ALUMINUM 2. 1/2" X 1/2" X 1/2" ALUMINUM 3. 1/2" X 1/2" X 1/2" ALUMINUM 4. 1/2" X 1/2" X 1/2" ALUMINUM 5. 1/2" X 1/2" X 1/2" ALUMINUM 6. 1/2" X 1/2" X 1/2" ALUMINUM 7. 1/2" X 1/2" X 1/2" ALUMINUM 8. 1/2" X 1/2" X 1/2" ALUMINUM 9. 1/2" X 1/2" X 1/2" ALUMINUM 10. 1/2" X 1/2" X 1/2" ALUMINUM 11. 1/2" X 1/2" X 1/2" ALUMINUM 12. 1/2" X 1/2" X 1/2" ALUMINUM 13. 1/2" X 1/2" X 1/2" ALUMINUM 14. 1/2" X 1/2" X 1/2" ALUMINUM 15. 1/2" X 1/2" X 1/2" ALUMINUM 16. 1/2" X 1/2" X 1/2" ALUMINUM 17. 1/2" X 1/2" X 1/2" ALUMINUM 18. 1/2" X 1/2" X 1/2" ALUMINUM 19. 1/2" X 1/2" X 1/2" ALUMINUM 20. 1/2" X 1/2" X 1/2" ALUMINUM 21. 1/2" X 1/2" X 1/2" ALUMINUM 22. 1/2" X 1/2" X 1/2" ALUMINUM 23. 1/2" X 1/2" X 1/2" ALUMINUM 24. 1/2" X 1/2" X 1/2" ALUMINUM 25. 1/2" X 1/2" X 1/2" ALUMINUM 26. 1/2" X 1/2" X 1/2" ALUMINUM 27. 1/2" X 1/2" X 1/2" ALUMINUM 28. 1/2" X 1/2" X 1/2" ALUMINUM 29. 1/2" X 1/2" X 1/2" ALUMINUM 30. 1/2" X 1/2" X 1/2" ALUMINUM 31. 1/2" X 1/2" X 1/2" ALUMINUM 32. 1/2" X 1/2" X 1/2" ALUMINUM 33. 1/2" X 1/2" X 1/2" ALUMINUM 34. 1/2" X 1/2" X 1/2" ALUMINUM 35. 1/2" X 1/2" X 1/2" ALUMINUM 36. 1/2" X 1/2" X 1/2" ALUMINUM 37. 1/2" X 1/2" X 1/2" ALUMINUM 38. 1/2" X 1/2" X 1/2" ALUMINUM 39. 1/2" X 1/2" X 1/2" ALUMINUM 40. 1/2" X 1/2" X 1/2" ALUMINUM 41. 1/2" X 1/2" X 1/2" ALUMINUM 42. 1/2" X 1/2" X 1/2" ALUMINUM 43. 1/2" X 1/2" X 1/2" ALUMINUM 44. 1/2" X 1/2" X 1/2" ALUMINUM 45. 1/2" X 1/2" X 1/2" ALUMINUM 46. 1/2" X 1/2" X 1/2" ALUMINUM 47. 1/2" X 1/2" X 1/2" ALUMINUM 48. 1/2" X 1/2" X 1/2" ALUMINUM 49. 1/2" X 1/2" X 1/2" ALUMINUM 50. 1/2" X 1/2" X 1/2" ALUMINUM 51. 1/2" X 1/2" X 1/2" ALUMINUM 52. 1/2" X 1/2" X 1/2" ALUMINUM 53. 1/2" X 1/2" X 1/2" ALUMINUM 54. 1/2" X 1/2" X 1/2" ALUMINUM 55. 1/2" X 1/2" X 1/2" ALUMINUM 56. 1/2" X 1/2" X 1/2" ALUMINUM 57. 1/2" X 1/2" X 1/2" ALUMINUM 58. 1/2" X 1/2" X 1/2" ALUMINUM 59. 1/2" X 1/2" X 1/2" ALUMINUM 60. 1/2" X 1/2" X 1/2" ALUMINUM 61. 1/2" X 1/2" X 1/2" ALUMINUM 62. 1/2" X 1/2" X 1/2" ALUMINUM 63. 1/2" X 1/2" X 1/2" ALUMINUM 64. 1/2" X 1/2" X 1/2" ALUMINUM 65. 1/2" X 1/2" X 1/2" ALUMINUM 66. 1/2" X 1/2" X 1/2" ALUMINUM 67. 1/2" X 1/2" X 1/2" ALUMINUM 68. 1/2" X 1/2" X 1/2" ALUMINUM 69. 1/2" X 1/2" X 1/2" ALUMINUM 70. 1/2" X 1/2" X 1/2" ALUMINUM 71. 1/2" X 1/2" X 1/2" ALUMINUM 72. 1/2" X 1/2" X 1/2" ALUMINUM 73. 1/2" X 1/2" X 1/2" ALUMINUM 74. 1/2" X 1/2" X 1/2" ALUMINUM 75. 1/2" X 1/2" X 1/2" ALUMINUM 76. 1/2" X 1/2" X 1/2" ALUMINUM 77. 1/2" X 1/2" X 1/2" ALUMINUM 78. 1/2" X 1/2" X 1/2" ALUMINUM 79. 1/2" X 1/2" X 1/2" ALUMINUM 80. 1/2" X 1/2" X 1/2" ALUMINUM 81. 1/2" X 1/2" X 1/2" ALUMINUM 82. 1/2" X 1/2" X 1/2" ALUMINUM 83. 1/2" X 1/2" X 1/2" ALUMINUM 84. 1/2" X 1/2" X 1/2" ALUMINUM 85. 1/2" X 1/2" X 1/2" ALUMINUM 86. 1/2" X 1/2" X 1/2" ALUMINUM 87. 1/2" X 1/2" X 1/2" ALUMINUM 88. 1/2" X 1/2" X 1/2" ALUMINUM 89. 1/2" X 1/2" X 1/2" ALUMINUM 90. 1/2" X 1/2" X 1/2" ALUMINUM 91. 1/2" X 1/2" X 1/2" ALUMINUM 92. 1/2" X 1/2" X 1/2" ALUMINUM 93. 1/2" X 1/2" X 1/2" ALUMINUM 94. 1/2" X 1/2" X 1/2" ALUMINUM 95. 1/2" X 1/2" X 1/2" ALUMINUM 96. 1/2" X 1/2" X 1/2" ALUMINUM 97. 1/2" X 1/2" X 1/2" ALUMINUM 98. 1/2" X 1/2" X 1/2" ALUMINUM 99. 1/2" X 1/2" X 1/2" ALUMINUM 100. 1/2" X 1/2" X 1/2" ALUMINUM	NET WEIGHT 1.07426 GROSS WEIGHT 1.07426 SCALE NONE
PART NO. 646.9500 REV. N/C	SHEET 3 OF 3

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REFERENCE ONLY

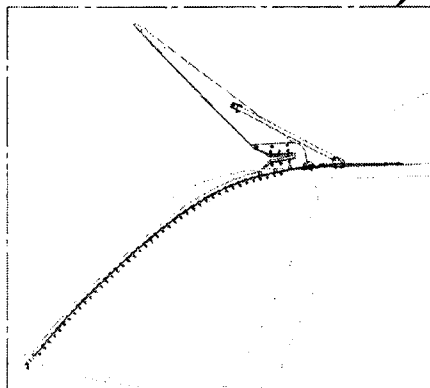
UNINCORPORATED ECN(s)

02729, 02736, 03047

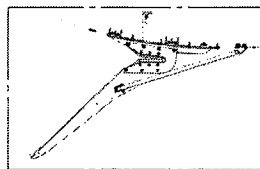
NOTES:

△ AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

DETAIL A



DETAIL B



QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
1	47	601.1066	RIVET	CR3212-4-4	
1	48	600.0991	MAGNEBOROND 6276 PART B		
1	47	600.0990	MAGNEBOROND 6276 PART A		
1	46	600.1012	SEALANT	PP-455 CLASS 6	
5	45	601.1949	SCREW	MS27039-1-11	
2	44	601.2789	SCREW	MS27039-0912	
4	43	601.2987	SCREW	MS27039-0009	
4	42	601.3000	SCREW	MS27039-0806	

REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISION: P02		
1	FINAL RELEASE		

47	47	41	601.2893	SCREW	MS27039-0811	
1	1	40	601.2982	HOSE CLAMP	MS35842-11	
4	1	39	647.1210	SCREEN		
5	5	38	601.1621	SCREW	MS27039-1-00	
14	14	37	601.2979	RIVET	CR3213-4-1	
4	4	36	601.2984	INSERT	NAS1835-08	
4	4	35	601.2277	RIVET	CC9026-05-3-09	
8	8	34	601.2983	RIVET	CR3212-5-4	
12	12	33	601.2980	NUTPLATE-RIVET	CC9026-05-3-08	
1	1	32	601.2822	BOLT	AN3-3A	
1	1	31	601.2985	BRACKET	MS27039-0813	
1	1	30	601.1900	NUTPLATE	MS27039-0813	
6	6	29	601.2988	SCREW	MS27039-0813	
53	53	28	601.2973	LOCKNUT	MS27042-08	
6	6	27	600.0795	NUTPLATE	MS27042-08	
18	18	26	601.0790	RIVET	CR3213-4-3	
18	18	25	601.1039	RIVET	CR3213-4-3	
19	19	24	601.1915	RIVET	CR3213-4-4	
20	20	23	601.2991	RIVET	CR3213-4-6	
26	26	22	601.1183	RIVET	CR3213-4-5	
4	4	21	601.2356	NUTPLATE	MS27039-0813	
8	8	20	601.2981	NUTPLATE-RIVET	MS27039-0813	
16	16	19	601.2943	LOCKNUT	AN3-11A	
46	46	18	601.2826	BOLT	AN3-11A	
113	114	17	601.1607	WASHER	MS27039-0813	
1	1	16	601.2764	WASHER	MS27039-0813	
1	1	15	647.0115	CLIP		
1	1	14	647.0114	CLIP		
1	1	13	647.0410	TUBE		
2	2	12	647.0116	DOUBLER		
1	1	11	647.0113	PANEL		
2	2	10	647.0113	STRUT DOUBLER		
8	8	9	647.0112	STRUT BRACKET		
4	4	8	646.9910	STRUT		
2	2	7	647.0310	CHANNEL		
1	1	6	647.0110	ROOF DOUBLER		
1	1	5	647.0210	RAIL		
1	1	4	646.9810	DEFLECTOR		
1	1	3	646.9603	LOWER CUTTER ASSY LOW		
1	1	2	646.9602	LOWER CUTTER ASSY HIGH		
1	1	1	646.9601	UPPER CUTTER ASSY		
1	1	1	646.9502	206 CABLE CUTTERS KIT LOW		
1	1	1	646.9501	206 CABLE CUTTERS KIT HIGH		

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
1	47	601.1066	RIVET	CR3212-4-4	
1	48	600.0991	MAGNEBOROND 6276 PART B		
1	47	600.0990	MAGNEBOROND 6276 PART A		
1	46	600.1012	SEALANT	PP-455 CLASS 6	
5	45	601.1949	SCREW	MS27039-1-11	
2	44	601.2789	SCREW	MS27039-0912	
4	43	601.2987	SCREW	MS27039-0009	
4	42	601.3000	SCREW	MS27039-0806	

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

646.9500

SCALE NONE SHEET 1 OF 3

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729		SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09
	EFFECT ON DWG ☐ INC. ☒ UNINC.			
DWG TITLE: 206 CABLE CUTTERS KIT				
APPROVED BY: ENGR <i>[Signature]</i>		MEG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL		

REFERENCE ONLY

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS				

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR DER REVIEW REQUIRED ☐ YES ☒ NO

Work Order ID 136353

Wednesday, September 02, 2015 3:03:07 PM

136353

Ship Nov 30/15
Page 1

Item ID: 646.9501

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: 206A / B / L Cable Cutter System, High

Stop ***NS2***

Start Date: 8/25/2015 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 9/1/2015 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: MCS Date: SEP 03 2015

Tooling:

Date:

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.9500	N/C								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.9501								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

MCS NOV 30 2015

NOV 30 2015